

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020824\  
 Data File : BN029591.D  
 Acq On : 08 Feb 2024 23:47  
 Operator : MA/JU  
 Sample : P1303-22  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0FK3

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024  
 Supervised By :mohammad ahmed 02/09/2024

Quant Time: Feb 09 00:34:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN020624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 07 02:17:13 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.884  | 152  | 6137     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.683 | 136  | 17003    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.525 | 164  | 7644     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.276 | 188  | 14073    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.473 | 240  | 9900     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.843 | 264  | 12405    | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.332  | 96   | 44291    | 5.788 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.278 | 152  | 7132     | 0.330 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.309 | 212  | 10312    | 0.317 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.318 | 178  | 6110     | 0.139 | ng/ul  | 97       |
| 16) Anthracene              | 17.411 | 178  | 1329     | 0.036 | ng/ul# | 84       |
| 19) Fluoranthene            | 19.337 | 202  | 21770    | 0.479 | ng/ul  | 98       |
| 20) Pyrene                  | 19.704 | 202  | 21091m   | 0.453 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.458 | 228  | 10292    | 0.288 | ng/ul  | 98       |
| 22) Chrysene                | 21.508 | 228  | 8841     | 0.226 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.124 | 252  | 12541m   | 0.269 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.168 | 252  | 5553m    | 0.107 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.741 | 252  | 8168     | 0.186 | ng/ul  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.295 | 276  | 4699     | 0.088 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.312 | 278  | 1144     | 0.027 | ng/ul# | 28       |
| 29) Benzo(g,h,i)perylene    | 27.043 | 276  | 4660     | 0.096 | ng/ul  | 93       |
| -----                       |        |      |          |       |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

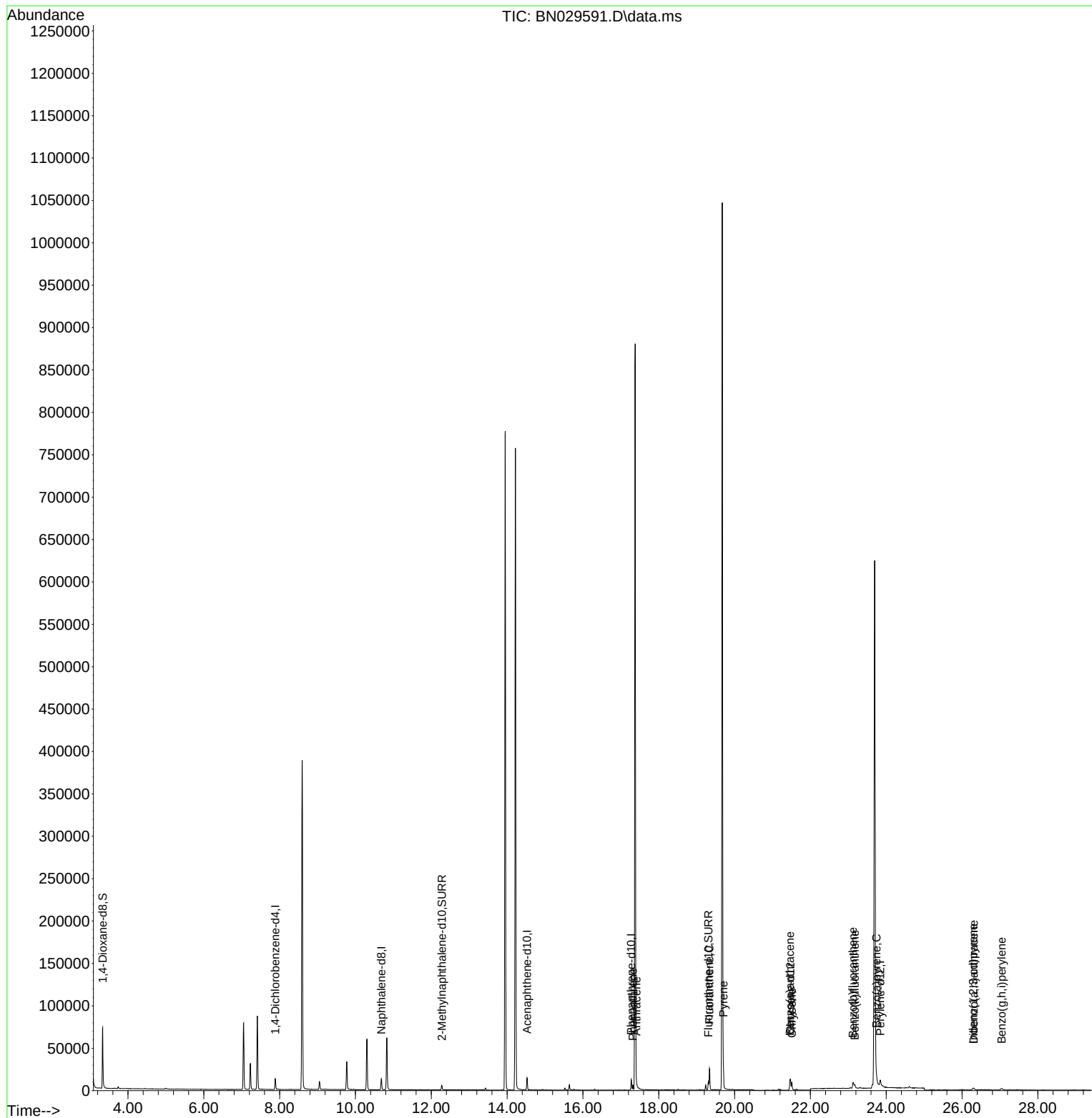
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020824\  
Data File : BN029591.D  
Acq On : 08 Feb 2024 23:47  
Operator : MA/JU  
Sample : P1303-22  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

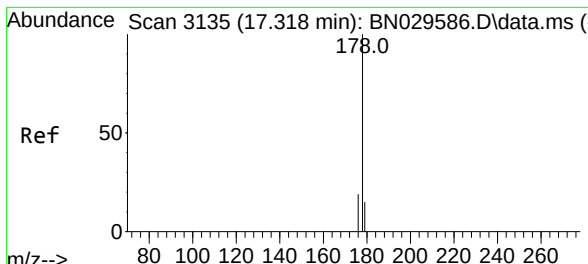
Instrument :  
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ClientSampleId :  
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Manual Integrations  
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Supervised By :mohammad ahmed 02/09/2024

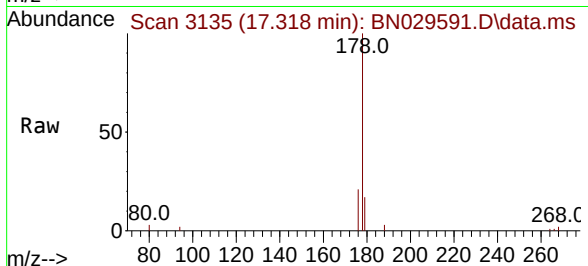
Quant Time: Feb 09 00:34:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN020624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 07 02:17:13 2024  
Response via : Initial Calibration





#15  
Phenanthrene  
Concen: 0.139 ng/u1  
RT: 17.318 min Scan# 3110  
Delta R.T. -0.008 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47

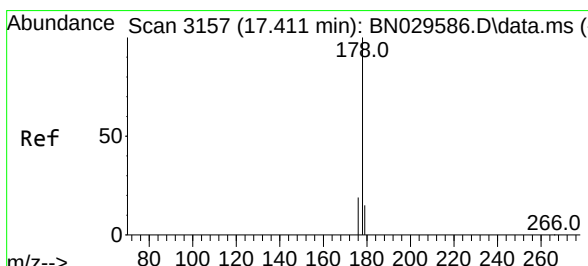
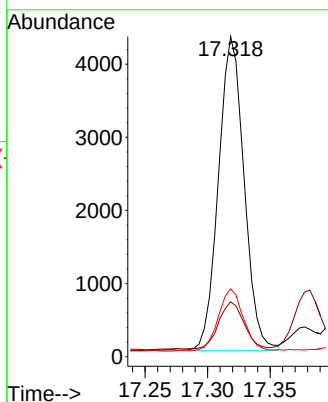
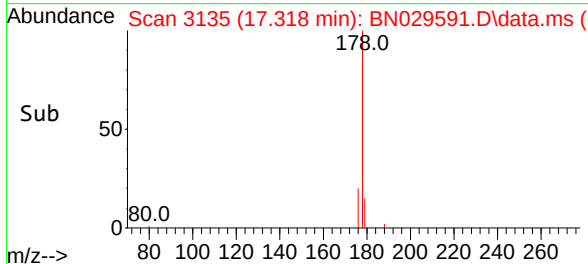
Instrument :  
BNA\_N  
ClientSampleId :  
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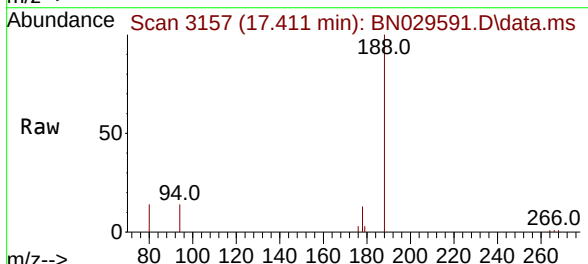
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Ion Ratio Lower Upper  
178 100  
179 17.1 12.6 18.8  
176 21.2 15.7 23.5

Manual Integrations  
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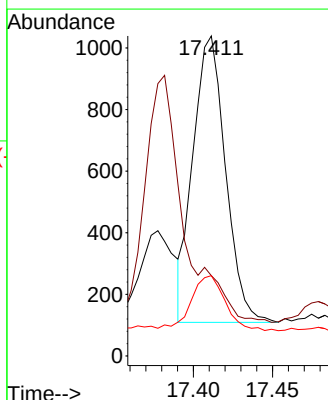
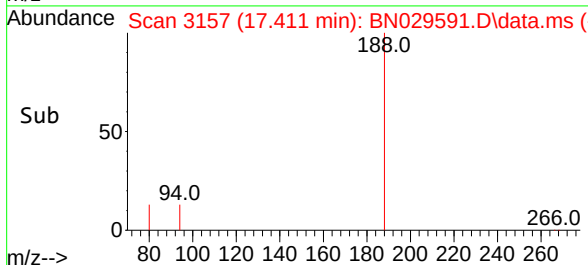
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024

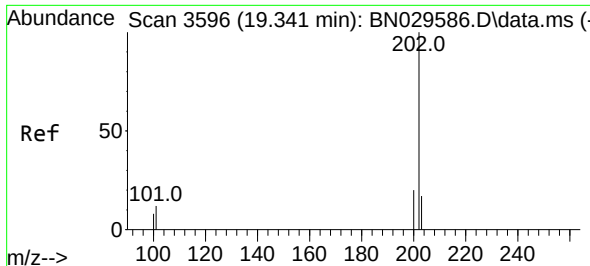


#16  
Anthracene  
Concen: 0.036 ng/u1  
RT: 17.411 min Scan# 3157  
Delta R.T. -0.004 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47



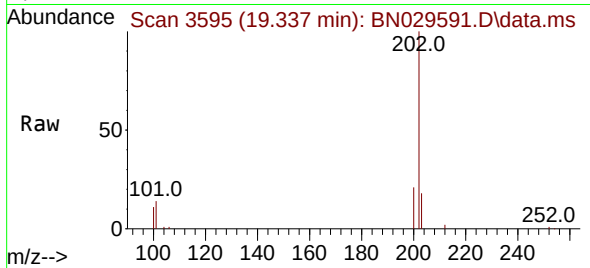
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Ion Ratio Lower Upper  
178 100  
179 25.1 12.9 19.3#  
176 25.1 15.8 23.8#





#19  
Fluoranthene  
Concen: 0.479 ng/ul  
RT: 19.337 min Scan# 3595  
Delta R.T. -0.009 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47

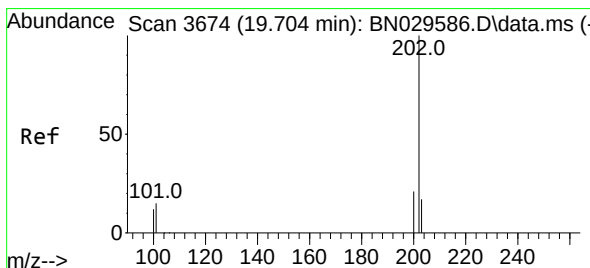
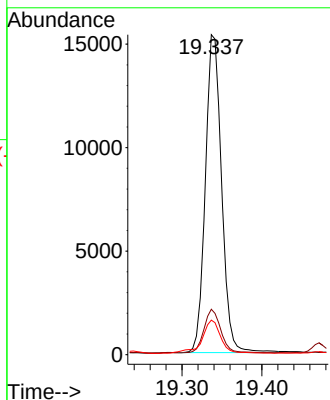
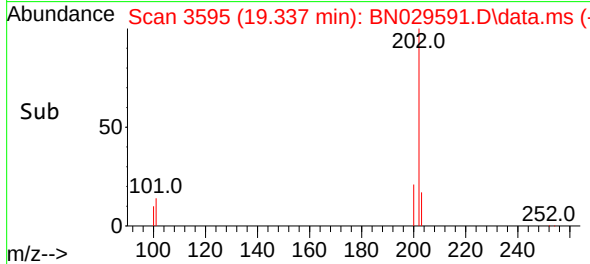
Instrument :  
BNA\_N  
ClientSampleId :  
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Ion Ratio Lower Upper  
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101 14.2 10.4 15.6  
100 10.8 8.5 12.7

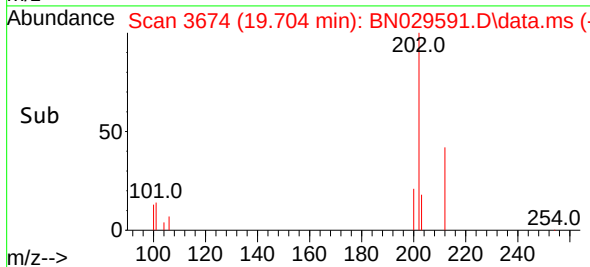
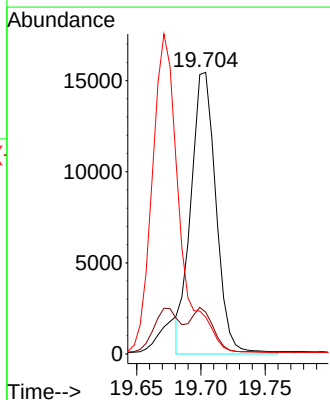
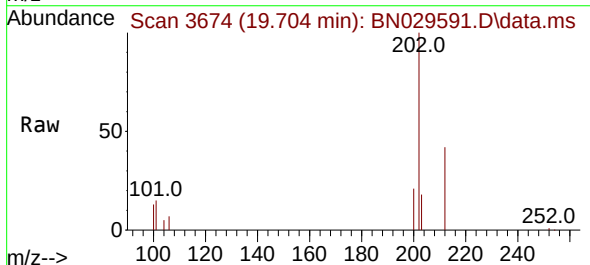
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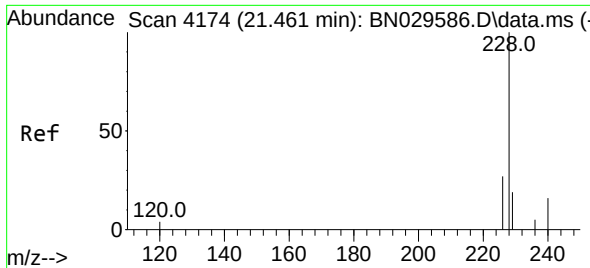
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024



#20  
Pyrene  
Concen: 0.453 ng/ul m  
RT: 19.704 min Scan# 3674  
Delta R.T. -0.004 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47

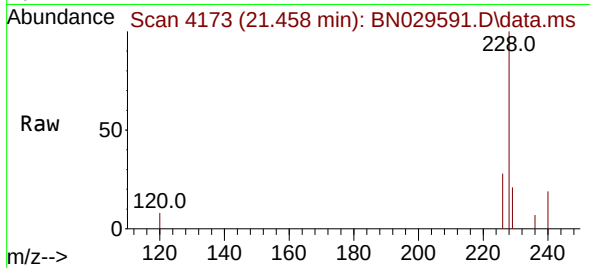
Tgt Ion:202 Resp: 21091  
Ion Ratio Lower Upper  
202 100  
101 14.8 12.5 18.7  
100 13.1 10.0 15.0





#21  
Benzo(a)anthracene  
Concen: 0.288 ng/ul  
RT: 21.458 min Scan# 4173  
Delta R.T. -0.009 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47

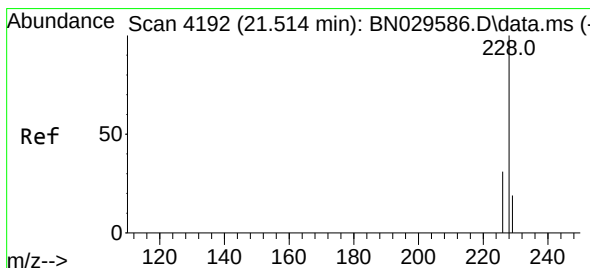
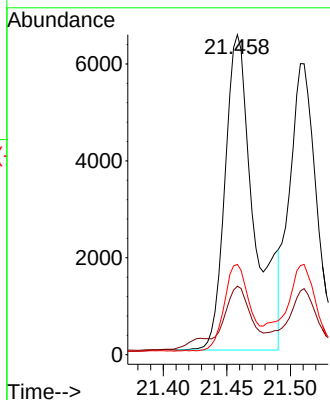
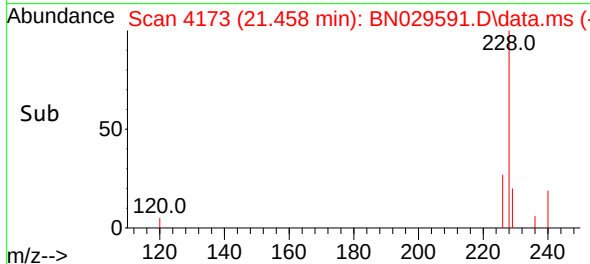
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK3



Tgt Ion:228 Resp: 10292  
Ion Ratio Lower Upper  
228 100  
229 21.4 15.7 23.5  
226 28.2 22.2 33.4

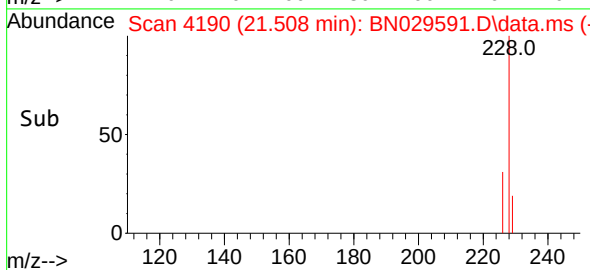
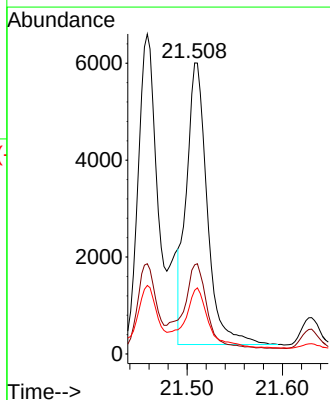
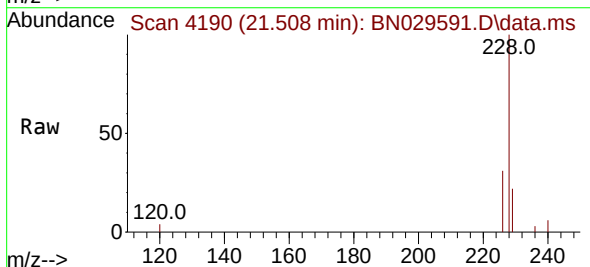
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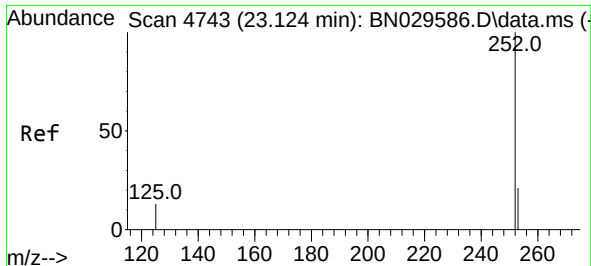
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024



#22  
Chrysene  
Concen: 0.226 ng/ul  
RT: 21.508 min Scan# 4190  
Delta R.T. -0.011 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47

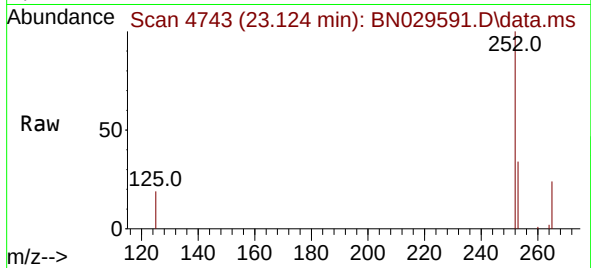
Tgt Ion:228 Resp: 8841  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.2 36.2  
229 21.9 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 0.269 ng/ul m  
RT: 23.124 min Scan# 4743  
Delta R.T. -0.011 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47

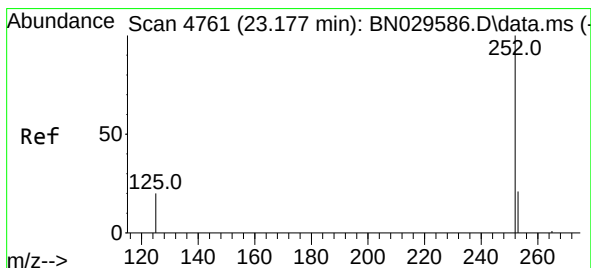
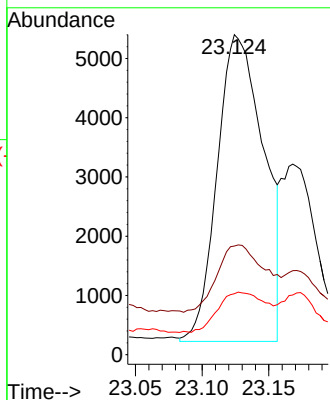
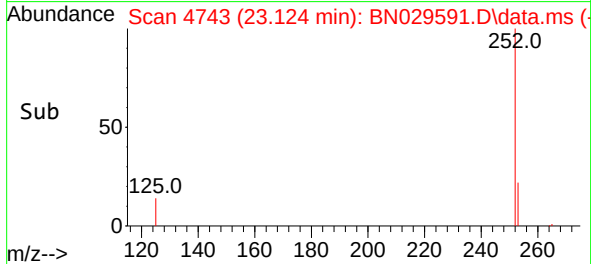
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK3



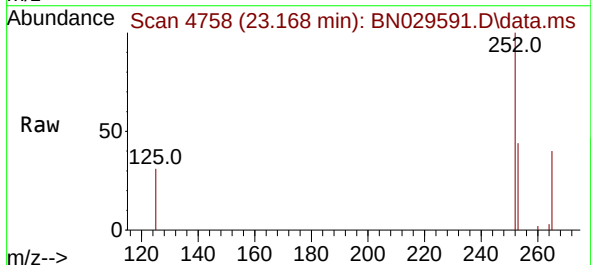
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Ion Ratio Lower Upper  
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253 33.9 0.0 56.8  
125 19.0 0.0 32.4

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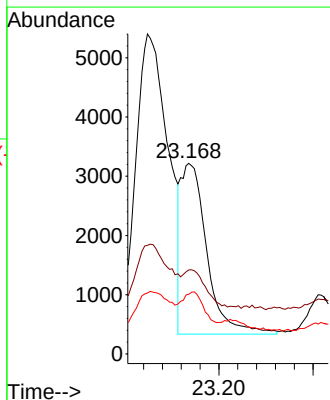
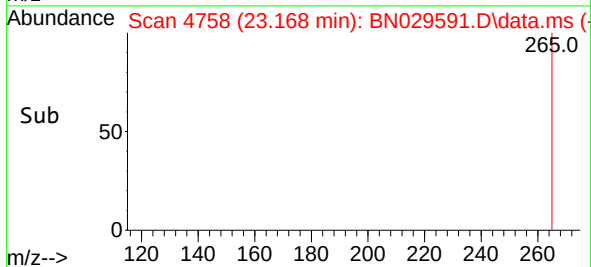
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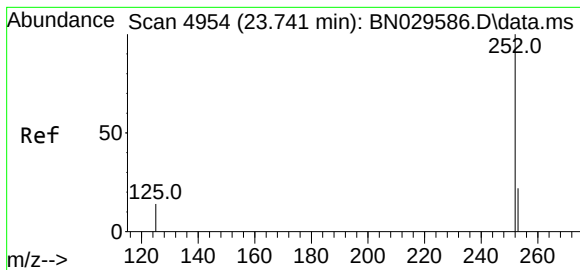


#25  
Benzo(k)fluoranthene  
Concen: 0.107 ng/ul m  
RT: 23.168 min Scan# 4758  
Delta R.T. -0.017 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47



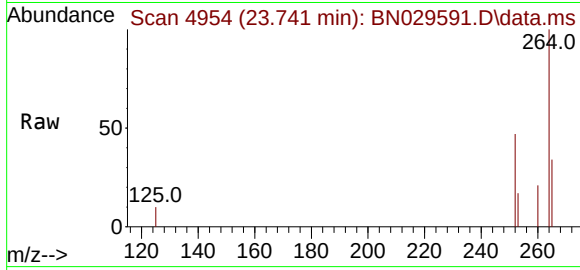
Tgt Ion:252 Resp: 5553  
Ion Ratio Lower Upper  
252 100  
253 44.1 22.6 33.8#  
125 31.3 15.3 22.9#





#26  
Benzo(a)pyrene  
Concen: 0.186 ng/ul  
RT: 23.741 min Scan# 4954  
Delta R.T. -0.011 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47

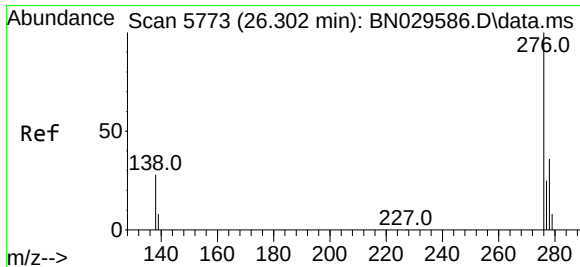
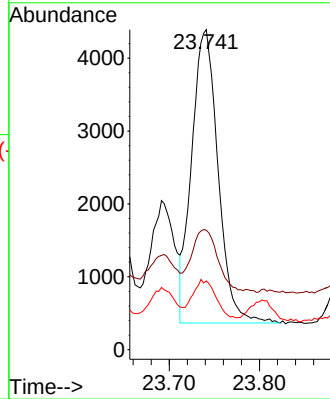
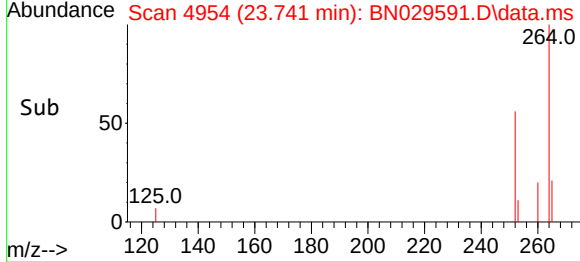
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK3



Tgt Ion:252 Resp: 816  
Ion Ratio Lower Upper  
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125 21.5 16.0 24.0

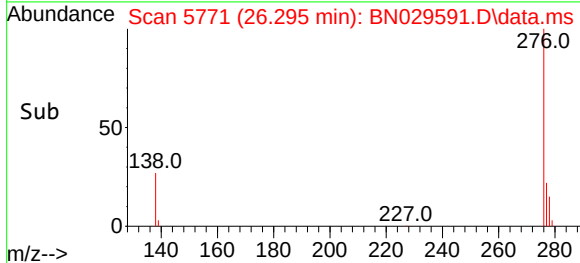
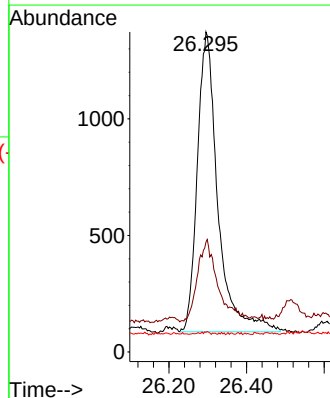
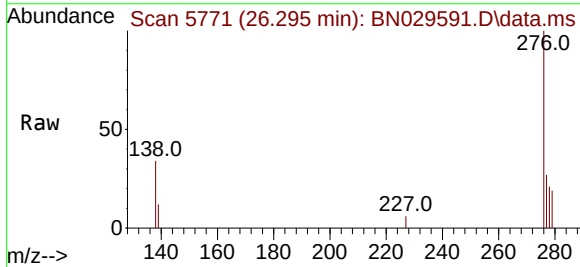
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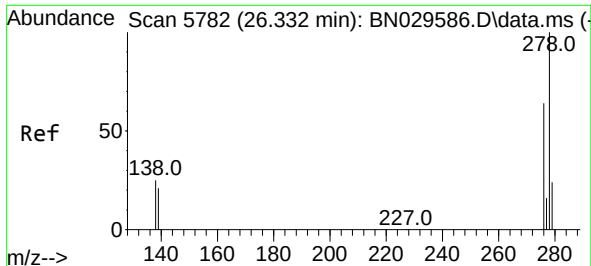
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.088 ng/ul  
RT: 26.295 min Scan# 5771  
Delta R.T. -0.023 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47

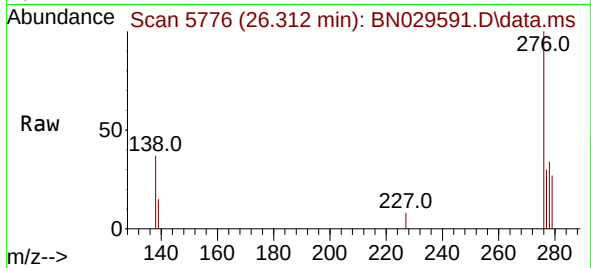
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Ion Ratio Lower Upper  
276 100  
138 28.3 0.0 0.0#  
227 0.2 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.027 ng/ul  
RT: 26.312 min Scan# 5114  
Delta R.T. -0.037 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47

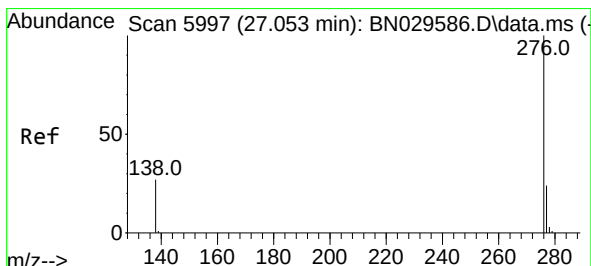
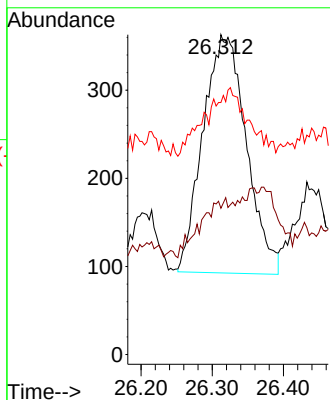
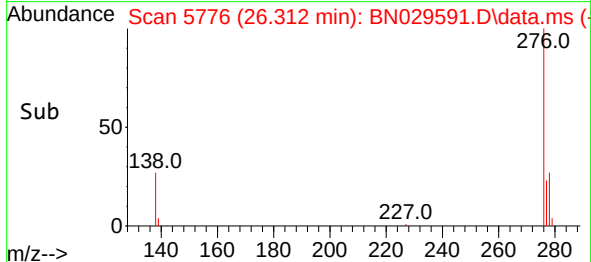
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK3



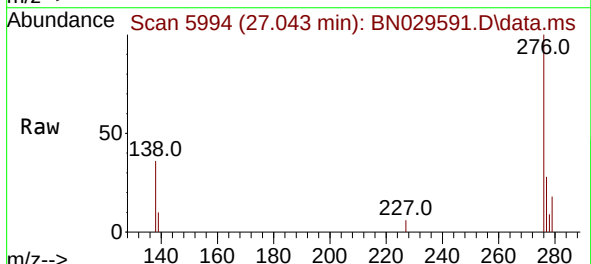
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Ion Ratio Lower Upper  
278 100  
139 45.7 19.0 28.4  
279 78.8 22.6 34.0

Manual Integrations  
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#29  
Benzo(g,h,i)perylene  
Concen: 0.096 ng/ul  
RT: 27.043 min Scan# 5994  
Delta R.T. -0.020 min  
Lab File: BN029591.D  
Acq: 08 Feb 2024 23:47



Tgt Ion:276 Resp: 4660  
Ion Ratio Lower Upper  
276 100  
138 35.6 24.6 37.0  
277 27.5 19.7 29.5

